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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

On January 19, 2005

TOWNSEND and TOWNSEND and CREW LLP

By: [Signature]
Anna C. Kundel

B
Attorney Docket No.: 020366-077610US
PATENT
2114
IFW
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Richard Cerami, et al.

Application No.: 09/921,283

Filed: August 1, 2001

For: PROACTIVE REPAIR PROCESS
IN THE XDSL NETWORK (WITH A
VDSL FOCUS)

Examiner: Nadeem Iqbal

Art Unit: 2114

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER 37
CFR §1.97 and §1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A are being called to the attention of the Examiner. In accordance with the USPTO waiver of the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. patent applications, applicant has not submitted copies of the U.S. references. It is respectfully requested that the cited references be expressly considered

01/27/2005 FHETEKI1 00000035 201430 09921283

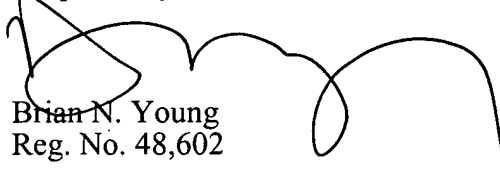
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during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that an \$180 fee for submission of this statement is required. The Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,


Brian N. Young
Reg. No. 48,602

TOWNSEND and TOWNSEND and CREW LLP
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60401199 v1



Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2005☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT**

(\$ 180)

Complete if Known

Application Number	09/921,283
Filing Date	August 1, 2001
First Named Inventor	Cerami, Richard
Examiner Name	Nadeem Iqbal
Art Unit	2114
Attorney Docket No.	020366-077610US

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____☒ Deposit Account Deposit Account Number: 20-1430 Deposit Account Name: Townsend and Townsend and Crew LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Small Entity		Small Entity		Small Entity		
	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Small Entity	
	Fee (\$)	Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
_____	-20 or HP = _____ x _____ = _____			_____		

HP = highest number of total claims paid for, if greater than 20

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
_____	-3 or HP = _____ x _____ = _____		

HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____	- 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____			

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: Submission of Information Disclosure Stmt**Fees Paid (\$)**180**SUBMITTED BY**

Signature

Registration No. 48,602
(Attorney/Agent)

Telephone 415-576-0200

Name (Print/Type) Brian N. YoungDate 1/19/05



PTO/SB/21 (09-04)

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

6

Application Number

09/921,283

Filing Date

August 1, 2001

First Named Inventor

Cerami, Richard

Art Unit

2114

Examiner Name

Nadeem Iqbal

Attorney Docket Number

020366-077610US

ENCLOSURES (Check all that apply)☒ Fee Transmittal Form (in duplicate)☐ Fee Attached☐ Amendment/Reply☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☒ Supplemental Information
Disclosure Statement with PTO/SB/08A☐ Certified Copy of Priority
Document(s)☐ Reply to Missing Parts/ Incomplete
Application☐ Reply to Missing Parts
under 37 CFR 1.52 or 1.53☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a
Provisional Application☐ Power of Attorney, Revocation
Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) _____☐ Landscape Table on CD☐ After Allowance Communication to TC☐ Appeal Communication to Board
of Appeals and Interferences☐ Appeal Communication to TC
(Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☒ Other Enclosure(s) (please identify
below):

Return Postcard

Remarks

The Commissioner is authorized to charge any additional fees to Deposit
Account 20-1430.**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name

Townsend and Townsend and Crew LLP

Signature

Printed name

Brian N. Young

Date

January 19, 2005

Reg. No.

48,602

CERTIFICATE OF TRANSMISSION/MAILINGI hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an
envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature

Typed or printed name

Anna Kundel

Date

1/19/05